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Atty Dkt. No.: CLON-094
USSN: 10/806,930

AMENDMENTS**In the claims:**

Please enter the following amendments:

1. **(Currently Amended)** A nucleic acid encoding a polypeptide product comprising a first chromo/fluorescent domain and second chromo/fluorescent domain, wherein said first and second chromo/fluorescent domains oligomerize ~~associate with each other~~ under intracellular conditions so that said encoded polypeptide assumes a tertiary structure.
2. **(Original)** The nucleic acid according to Claim 1, wherein said first and second chromo/fluorescent domains are oligomeric producing domains.
3. **(Currently Amended)** The nucleic acid according to Claim 2, wherein said first and second chromo/fluorescent domains are chromo- or fluorescent proteins from a *Cnidarian* species ~~or mutants of chromo- or fluorescent proteins from a Cnidarian species~~.
4. **(Previously Presented)** The nucleic acid according to Claim 3, wherein said *Cnidarian* species is a non-bioluminescent *Cnidarian* species.
5. **(Previously Presented)** The nucleic acid according to Claim 4, wherein said non-bioluminescent *Cnidarian* species is an *Anthozoan* species.
6. **(Original)** The nucleic acid according to Claim 1, wherein said nucleic acid encodes a fusion protein of said first and second chromo/fluorescent domains fused to a non-chromo/fluorescent protein domain.

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7. **(Original)** A construct comprising a vector and a nucleic acid according to Claim 1.
8. **(Original)** An expression cassette comprising:
- (a) a transcriptional initiation region functional in an expression host;
 - (b) a nucleic acid according to Claim 1; and
 - (c) a transcriptional termination region functional in said expression host.
9. **(Original)** A cell, or the progeny thereof, comprising an expression cassette according to Claim 8 as part of an extrachromosomal element or integrated into the genome of a host cell as a result of introduction of said expression cassette into said host cell.
10. **(Original)** A method of producing a polypeptide product comprising a first and second chromo/fluorescent domain, said method comprising:
growing a cell according to Claim 9, whereby said polypeptide product is expressed.
- Claims 11-15. (Canceled)
16. **(Withdrawn)** In an application that employs a nucleic acid encoding a chromo- or fluorescent protein, the improvement comprising:
employing a nucleic acid according to Claim 1.
17. **(Original)** A kit comprising a nucleic acid according to Claim 1.
18. **(Previously Presented)** A nucleic acid encoding a polypeptide product comprising a first and second chromo/fluorescent domain, wherein said first and second chromo/fluorescent domains are oligomeric producing domains and associate with each other under intracellular conditions so that said encoded polypeptide assumes a tertiary structure.

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19. **(Currently Amended)** The nucleic acid according to Claim 18, wherein said chromo/fluorescent domains are chromo-or fluorescent proteins from a *Cnidarian* species or ~~mutants of chromo-or fluorescent proteins from a *Cnidarian* species.~~

20. **(Previously Presented)** The nucleic acid according to Claim 19, wherein said *Cnidarian* species is a non-bioluminescent *Cnidarian* species.

21. **(Previously Presented)** The nucleic acid according to Claim 20, wherein said non-bioluminescent *Cnidarian* species is an *Anthozoan* species.

22. **(Previously Presented)** The nucleic acid according to Claim 18, wherein said nucleic acid encodes a fusion protein of said first and second chromo/fluorescent domains fused to a non-chromo/fluorescent protein domain.

23. **(Previously Presented)** A construct comprising a vector and a nucleic acid according to Claim 18.

24. **(Previously Presented)** An expression cassette comprising:

- (a) a transcriptional initiation region functional in an expression host;
- (b) a nucleic acid according to Claim 18; and
- (c) a transcriptional termination region functional in said expression host.

25. **(Previously Presented)** A cell, or the progeny thereof, comprising an expression cassette according to Claim 24 as part of an extrachromosomal element or integrated into the genome of a host cell as a result of introduction of said expression cassette into said host cell.

26. **(Previously Presented)** A method of producing a polypeptide product comprising a first and second chromo/fluorescent domain, said method comprising:
growing a cell according to Claim 25, whereby said polypeptide product is expressed.